GOVERNMENT OF INDIA
ATOMIC ENERGY
LOK SABHA

UNSTARRED QUESTION NO:4132
ANSWERED ON:23.12.2015
Fast Breeder Reactor
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Will the Minister of ATOMIC ENERGY be pleased to state:

(a)whether there is a delay in the commissioning of the prototype fast breeder reactor;

(b)if so, the details thereof and the reasons therefor;

(c)the time by which above reactor is proposed to be operational; and

(d)the details of projects and plan undertaken by the Bhartiya Nabhikiya Vidyut Nigam Ltd. (BHAVINI) to construct new fast breeder reactors during the next fifteen years?

Answer

THE MINISTER OF STATE FOR PERSONNEL, PUBLIC GRIEVANCES & PENSIONS AND PRIME MINISTER'S OFFICE (Dr. JITENDRA SINGH):

(a)&(b) Yes sir. Prototype Fast Breeder Reactor (PFBR) is the first of its kind in the country, conceived with the main objective of techno-economic demonstration of large fast reactors to be built in series, for commercial exploitation. Accordingly, several unique features have been incorporated in the design and at the development stages. Manufacturing of these equipments by Indian manufacturers took considerable time. In view of first-of-its-kind nature, several stage-wise review processes called for by internal and external experts, formed by regulators have to be gone through in a very thorough and elaborate exercise, which is time consuming.

(c)PFBR is expected to be operational by September-2016.

(d)In addition to the present 500 MW capacity Prototype Fast Breeder Reactor (PFBR) which is at an advanced stage of commissioning, it is proposed to add FBR 1&2 (2x600 MW) at Kalpakkam Site.

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